D-Link®

amplifi POWERLINE 500

Connect an entertainment system to your network from any room in the house

HD Blazing speeds – up to 500Mbps[1] for multiple HD streams

Ready to use – Simply plug into existing power outlets

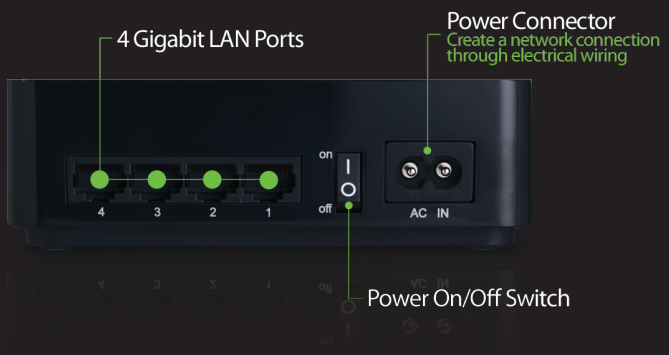
amplifi™ PowerLine AV 500 4-Port Gigabit Switch Kit

Connect 4 wired network devices anywhere in your home.

DHP - 541

PowerLine AV 500 4-Port Gigabit Switch Kit

PowerLine AV 500 4-Port Gigabit Switch Kit comes with one PowerLine AV 500 4-Port Gigabit Switch (DHP-540) and one PowerLine AV 500 Adapter (DHP-502AV), both PowerLine Adapters uses electrical wiring that's already in your house to provide fast, reliable speeds of up to 500Mbps[1] to any room in your house. The 4-Port Gigabit Switch enables you to connect four devices per room and get blazing speeds in each room. It's the perfect solution for an entertainment center.



Power Connector
Connects to AC wall outlet (Country dependant)
Simple Connect Button
Press to secure the network
Reset Button
Resets device to default settings

PowerLine AV 500 4-Port Gigabit Switch Kit

Everything you need to build a custom PowerLine network and give your favorite connected devices their own Gigabit Ethernet port, up to 500Mbps speed, and QoS prioritization for blazing-fast connectivity and seamless digital entertainment anywhere in your home. Use your building's existing wiring to turn any power outlet into a fully functioning Ethernet port. Connect your Internet source device to the Adapter, plug the Switch into any power outlet, connect up to 4 of your favorite devices to the switch and that's it – D-Link's push-button connectivity and security will set up your wall-to-wall network, instantly.

Give Your Favorite Devices Their Own Gigabit Ethernet Port. They'll Love You For It.

Boasting transfer rates up to 500Mbps[1] and D-Link's QoS Traffic Optimization Technology Engine to prioritize bandwidth, the PowerLine AV 500 4-Port Gigabit Switch Kit has the performance and the smarts to handle any digital demands you can throw at it. With this switch in your home, you can organize and manage your traffic flow and get the most out of your broadband connection. Go Ahead: Skype, download, stream, chat, game, surf – PowerLine lets you do it all at once, from anywhere in your home without annoying glitches or lags in your digital entertainment.

Connect to Anything, Anywhere: PowerLine Meets Your Digital Demands.

Run your desktop and multiple laptops off your wireless router upstairs and simultaneously power and prioritize bandwidth for your entire digital entertainment center in the basement. With the PowerLine AV 500 4-Port Gigabit Switch Kit you can extend any existing PowerLine network to deliver 500Mbps speed and connectivity over the existing wiring of your building's electrical system. HDTVs, the Boxee Box by D-Link, Blu-Ray Players, network storage drives, Xbox® 360, Playstation 3, security cameras - power them all, all at once, without annoying glitches or lags. With a PowerLine AV 500 4-Port Gigabyte Switch Kit you not only have the freedom to connect your favorite devices anywhere you need them, but also up to 500Mbps speed. QoS bandwidth optimization to prioritize heavier traffic, and deliver seamless digital entertainment.

Create a Wall-To-Wall Home Network, Instantly.

PowerLine technology transmits data along the wiring of a building's existing electrical system, providing a secure and reliable broadband connection to places impossible to reach with a wireless signal. Use your PowerLine AV 500 4-Port Gigabit Switch Kit to build a custom PowerLine network and deliver performance – up to 500Mbps –connectivity exactly where you need it. Just connect your Internet source device to the included PowerLine Adapter, plug the PowerLine AV 500 4-Port Gigabit Switch into any electrical outlet, and connect up to 4 high-performance devices to the switch. Power your entertainment center and keep your home clean and cable-free. PowerLine is the ideal networking solution for homes or small offices where concrete walls, successive floors in multi-storied buildings, or other architectural impediments can significantly weaken a wireless coverage and create dead spots.

Get Wireless Freedom and Wired Reliability.

Because a PowerLine Network is hard-wired, there is no external 'ambient' interference common to even the most powerful wireless systems. PowerLine Network Technology is HomePlug AV compliant and works across phases in your building's electrical box to transmit data reliably by intelligently adapting to the strongest signal channels.

Setup? PowerLine is Plug and Play. And That's It.

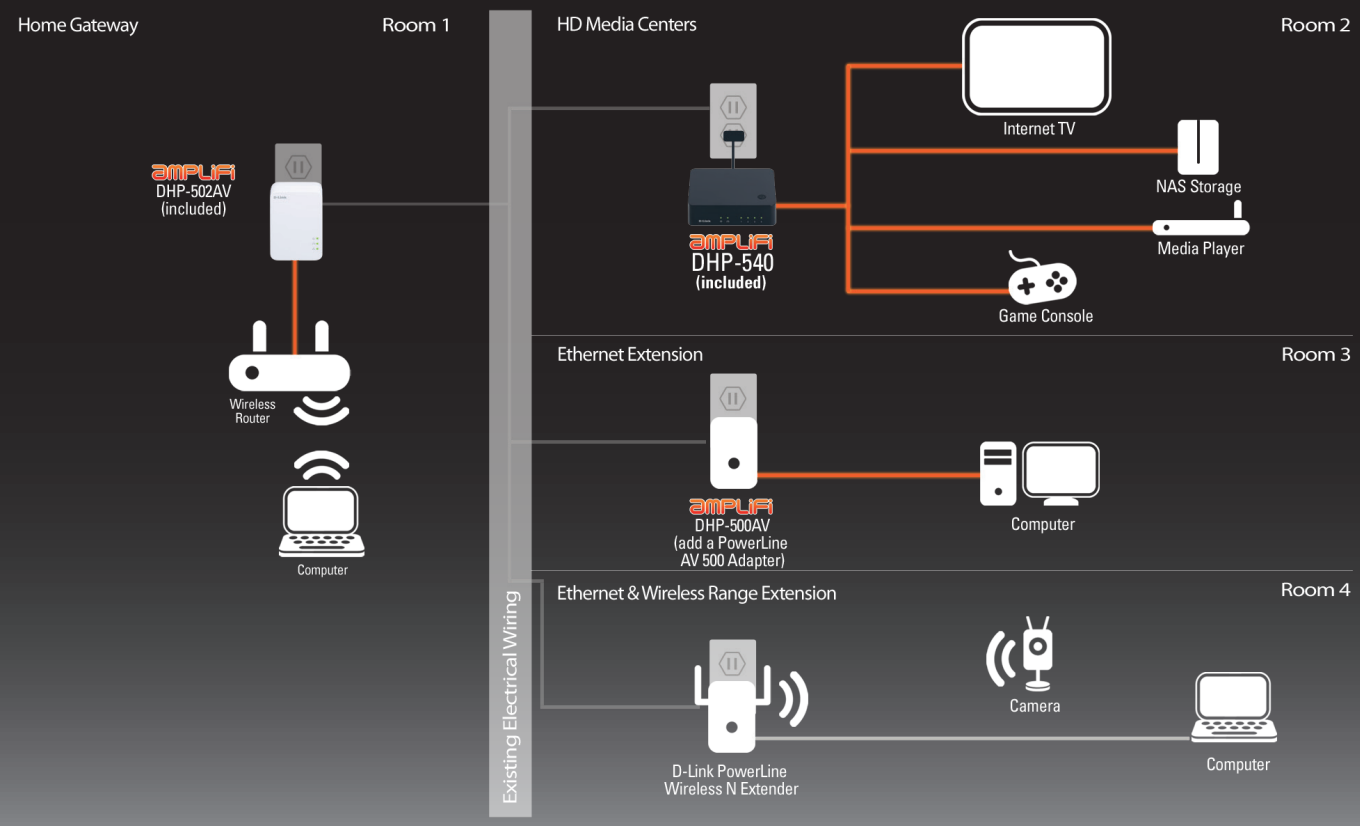
Building your PowerLine network from the ground up is a cinch. Just connect your Internet source device to the included PowerLine AV 500 Adapter, plug the PowerLine AV 500 4-Port Gigabit Switch into any electrical outlet, and connect up to 4 high-performance devices to the Switch. D-Link's 'Simple Connect' button will establish a 128-bit security encrypted connection over your PowerLine network in a flash. With PowerLine, there are no cables to run, holes to drill or wireless signals to configure, delivering blazing-fast connectivity – up to 500 Mbps – to any device, anywhere in the home is as easy as plug and play.

Create An Ultra-Secure Home Network.

PowerLine protects your network with 128-bit AES data security encryption – the same technology used in E-commerce or online banking. Create your own network name and password or put it at the tip of your fingers with 'Push Button Security' standard on every PowerLine device. With hassle-free plug and play installation, and advanced security the PowerLine AV 500 4-Port Gigabit Switch Kit is not only one of the fastest networking solutions available, it's also one of the safest.

Get Ready for the Future - IPV6 Equipped

With the growing number of Internet-enabled applications requiring IP addresses, the supply of IP addresses under the current Internet Protocol version 4 (IPv4) system has already been exhausted. The IPv6 protocol solves this network addressing exhaustion by creating more IP addresses, but migration from IPv4 to IPv6 is not necessarily automatic. No worries - This D-Link product is IPv6 Certified and ready for the future.



*A minimum of two D-Link PowerLine AV Network devices are required to create a network.

Blazing fast speeds
for HD Media

Get bandwidth
anywhere in your home

Features

+ Connect up to 4 Ethernet-enabled devices to the DHP-540
+ Gigabit ports for connecting high speed devices
+ Speeds up to 500Mbps[1]
+ IEEE1901 Compliant
+ Uses Your Home's Existing Electrical Wiring by Plugging into Existing Power Outlets[2]
+ Power Saving Mode
+ Backward Compatible with HomePlug AV devices
+ Push and Secure encryption button
+ Supports 128-bit AES Encryption For Network Security
+ Plug & Play Installation
+ 24/7 Basic Installation Support[3]
+ 1-Year Limited Warranty[4]

Think Green

D-Link Green™ devices are about providing eco-friendly alternatives without compromising performance. They are designed to help conserve energy, protect our environment from harmful substances, and reduce waste by using recyclable packaging. To learn more, visit www.dlinkgreen.com.

D-Link Green™ Technology

+ Goes into power saving mode when no data link is detected after 5 minutes

Protecting The Environment

+ Complies with the European Union's RoHS directive that restricts the use of certain hazardous materials
+ Uses soy ink and recyclable packaging to help reduce waste that goes into the environment

Technical Specifications

STANDARDS
+ IEEE 802.3
+ IEEE 802.3u
+ Compatible with IEEE 1901
+ HomePlug AV

ETHERNET INTERFACE
+ 10/100/1000 Gigbit Ethernet LAN with Auto MDI/MDIX
+ RJ-45 Connector

MAXIMUM PHY RATE
+ 500 Mbps[1]

QOS
+ Intergrated QoS prioritizes media and data

POWERLINE FREQUENCY BAND
+ 2MHz to 70zMHz QOS

SECURITY
+ 128-bit AES encryption

LEDS
+ Power
+ Powerline
+ Ethernet

POWERLINE MODULATION SCHEME
+ OFDM Symbol Modulation

POWER INPUT
+ 110 ~ 240V AC, 50/60 Hz

OPERATING TEMPERATURE
+ 32° to 104° F (0° to 40° C)

OPERATING HUMIDITY
+ 10% to 90% non-condensing

MAXIMUM POWER CONSUMPTION
+ DHP-540 =13.2W
+ DHP-502AV = 4W

CERTIFICATIONS
+ CE EMC Class B
+ FCC Part 15 Class B
+ UL
+ CE LVD

DIMENSIONS (WxDxH)
+ DHP-540 : 4" x 5.25" x 1.75"
+ DHP-502Av : 2.78" x 4.28" x 1.42"

WEIGHT
+ DHP-540: 0.55lbs (250g)
+ DHP-520AV: 0.3lbs (150 g))

WARRANTY
+ 1-Year Warranty[4]

[1] Maximum throughput based on theoretical transmission PHY rate. Actual data throughput will vary. Network conditions and environmental factors, including volume of traffic and network overhead, may lower actual data throughput rate. Interference from devices that emit electrical noise, such as vacuum cleaners and hair dryers, may adversely affect the performance of this product. This product may interfere with devices such as lighting systems that have a dimmer switch, short wave radios, or other powerline devices that do not follow the HomePlug Powerline Alliance standard.

[2] Power outlets and electrical wiring must all be part of the same electrical system. Certain electrical conditions in your home, such as wiring conditions and configuration may effect the performance of this product. A minimum of two D-Link Powerline AV Network Adapters are required to create a network. Connecting this product to a power strip with a surge protector may adversely affect the performance of this product. For best results, plug adapter directly into a power outlet.

[3] 24/7 Basic Installation Support is available only in the USA for the first 30 days from date of original purchase.

[4] 1-Year Limited Warranty available only in the USA and Canada.

[5] Latest Software and Documentation available at http://support.dlink.com.

[6] Computer must adhere to Microsoft's recommended system requirements.

[7] Software is not Mac Compatible

Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted on the package. See inside package for warranty details. D-Link PowerLine AV Network Adapters (DHP-306AV, DHP-W306AV, DHP-307AV), PowerLine AV 4-Port Switch (DHP-346AV), PowerLine AV Wireless N Extender (DHP-W306AV), PowerLine AV 500 Adapter (DHP-500AV), and Wireless N PowerLine Router (DHP-1320) may coexist but are not compatible or interoperable with D-Link PowerLine HD Ethernet Adapters (DHP-302, DHP-303) or D-Link PowerLine HD Network Starter Kit (DHP-303). This product is designed for use in the USA and Canada. Use of this product in other countries might violate local laws.

© 2011 D-Link Corporation/D-Link Systems, Inc. All rights reserved. D-Link, the D-Link logo and the D-Link RoHS logo are registered trademarks of D-Link Corporation or its subsidiaries in the United States and/or other countries. Other trademarks or registered trademarks are the property of their respective owners.

DHP-541

For more help deciding which product to choose, scan this QR code with your Smartphone

Package Contents

+ 1 PowerLine AV Gigabit 4-Port Gigabit Switch (DHP-540)
+ 1 PowerLine AV 500 Adapter (DHP-502AV)
+ 1 Ethernet Cable
+ CD-ROM[5]
+ Quick Install Guide

Minimum Requirements

For Configuration Utility, Computer with:
+ 233MHz Processor
+ 10MB Disk Space
+ 64MB RAM
+ CD-ROM Drive
+ Network Interface Card
+ Windows® 7[6], Windows Vista®[6], Windows® XP SP2[6], or Mac OSX[7] (v10.4)
+ Internet Explorer® v6 or Mozilla® Firefox® v3.0

Power Range:
+ 110 VAC, 50/60Hz

For Internet Access:
+ Cable or DSL Modem
+ Router
+ Subscription with an Internet Service Provider (ISP)

For Network:
+ Two or more PowerLine AV Devices